

SYSTEM AND METHOD FOR PROVIDING A MEDICAL LEAD BODY

ABSTRACT OF THE DISCLOSURE

An implantable lead and lead body, method of manufacturing
5 the same, and a system and method for stimulating a portion of a
body is disclosed. In one advantageous embodiment, a lead body
assembly is formed by placing an inner layer of extrusion
material on a mandrel, wrapping a plurality of conductors coated
with extrusion material around the inner layer, and placing an
10 outer layer of extrusion material over the plurality of
conductors. Heat shrink tubing is placed over the lead body
assembly and the lead body assembly is heated to melt the
extrusion material. The melted extrusion material is compressed
around the plurality of conductors. The assembly is then cooled
15 and the heat shrink tubing is removed. The solidified extrusion
material forms a protective wall that encapsulates the plurality
of conductors in the lead body.